

U.S. Bureau of Reclamation
Emergency Condition Notification Form

Date June 9, 2011

Time: 3:00 PM (MDT)

Facility Affected: Clark Canyon Dam

River(s) Affected: Beaverhead River

Organizations Receiving this Notification:

Beaverhead County Dispatch 24-hour Warning Point
Madison County Dispatch 24-hour Warning Point
Gallatin County Dispatch 24-hour Warning Point
Jefferson County Dispatch 24-hour Warning Point
Broadwater County Dispatch 24-hour Warning Point
Montana State Disaster & Emergency Services – Helena
National Weather Service Forecaster in Great Falls
U.S. Army Corps of Engineers, Omaha
Great Plains Regional Office
U.S. Bureau of Land Management
U.S. Forest Service

1. Condition Description

Heavy rains and snowmelt continue to increase inflows into the Lima Dam and Clark Canyon Dam drainage basins resulting in a high streamflows. Inflows into Lima Dam have increased steadily over the past 3-days resulting in the reservoir beginning uncontrolled releases. The Corps of Engineers has requested that Reclamation utilize replacement storage at Clark Canyon Dam to assist with downstream flooding. With this request and forecasted runoff Reclamation anticipates reservoir elevations of both Lima Dam and Clark Canyon Dam to continue to increase.

In accordance with the Clark Canyon Dam EAP, reservoir elevations at Lima Dam in excess of 6581.3 place Clark Canyon Dam at an elevated response level requiring notifications to downstream authorities and affected agencies. **This is only a result of Lima Dam reservoir elevations exceeding 6581.3. There are no dam safety related conditions or concerns with Clark Canyon Dam.**

Below are the current conditions at **Clark Canyon Dam** as of 3:00 p.m. June 9, 2011.

- Elevation = 5546.66 (0.55 feet into flood pool)
- Storage = 177,261 acre-feet
- Inflow (12-hr avg.) = 927 cfs
- Discharge = 350 cfs

Below are the current conditions at **Lima Dam** as of 3:00 p.m. June 9, 2011.

- Elevation = 6582.32 (1.02 feet above uncontrolled spillway)
- Storage = 81,580 acre-feet
- Inflow = 1,200 cfs
- Discharge = 620 cfs

2. Potential River Levels and Times of Arrival

Clark Canyon Dam releases are being maintained to reduce flows in the Beaverhead River.

Beaverhead River Location

Approximate Travel Time

Barrets

4-5 hours

Dillon

10-12 hours

Twin Bridges

30-36 hours

3. Actions Taken by Reclamation

Reclamation currently has no plans to increase releases out of Clark Canyon Dam.

Reclamation continues to monitor river levels both upstream and downstream of Clark Canyon Dam, as well at conditions at Clark Canyon Dam and Lima Dam and will issue further notifications as conditions warrant. As previously stated, Reclamation has been requested by the Corps of Engineers to utilize reserve storage at Clark Canyon Dam, and if conditions allow Reclamation will attempt to limit downstream releases.

4. Actions Expected of Downstream Agencies

Downstream agencies should take these reservoir levels and flows into account combined with existing downstream tributary flows entering the Beaverhead River when determining potential actions.

5. For Additional Information

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